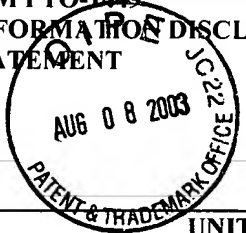
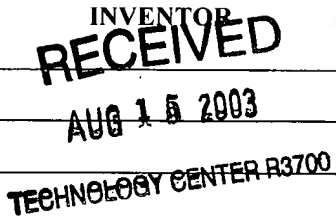




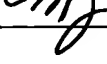
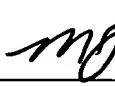

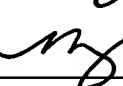
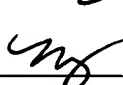
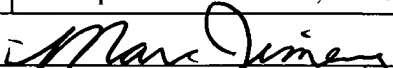


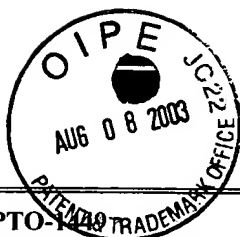


FORM PTO-1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO. 1019.us		SERIAL NO. 09/773,944	
				APPLICANT(S): Robert K. Jenner			
				FILING DATE: February 1, 2004		ART UNIT: 3726	
UNITED STATES PATENT DOCUMENTS							
EXAM. INITIAL		DOCUMENT NUMBER	DATE	INVENTOR	CLASS	SUB CLASS	FIL. DATE IF APPR
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN Y/N
<i>mg</i>	AG1	0 168 820 A2	Jan 22 1986	EPO	G02B	6/42	Y (abstract only)
<i>mg</i>	AH1	0 193 991 A1	Sep 10 1986	EPO	B23Q	1/14	Y
<i>mg</i>	AI1	1 059 547 A1	Dec 13 2000	EPO	G02B	6/42	Y
<i>mg</i>	AJ1	1 134 607 A2	Sep 19 2001	EPO	G02B	27/62	Y
<i>mg</i>	AG2	2 124 402 A	Feb 15 1984	GB	G02B	7/26	Y
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
<i>mg</i>	AK	Andreasch, Wolfgang, et al., "Flexible Automated Assembly of Micro-Optical Elements (Optical SMD) ", Proc. SPIE, Vol. 2906, pp. 162-170, Microrobotics: Components and Applications, Armin Sulzmann: Ed., (published 12/1996).					
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<i>mg</i>	AM	Madou, Marc, "Fundamentals of Microfabrication", Boca Raton, N.Y., pp. 312-313.					
<i>mg</i>	AN	Mohr, J., "Free Space Optical Components and Systems Based on LIGA Technology", 2000 IEEE/LEOS International Conference on Optical MEMS, Kauai, Hawaii, Aug. 21-24, 2000, IEEE Catalog #00EX399.					
Examiner: <i>Marc Jimenez</i>				Date: <i>9/30/03</i>			



FORM PTO-1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO. 1019.us		SERIAL NO. 09/773,944	
				APPLICANT(S): Robert K. Jenner			
				FILING DATE: February 1, 2004		ART UNIT: 3726	
UNITED STATES PATENT DOCUMENTS							
EXAM. INITIAL		DOCUMENT NUMBER	DATE	INVENTOR	CLASS	SUB CLASS	FIL. DATE IF APPR
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN Y/N
<i>my</i>	AH2	92 02837	Feb 20 1992	WO	G02B	6/42	Y
<i>my</i>	AI2	62 276515	Dec 1 1987	JP	G02B	6/42	Y (abstract only)
<i>my</i>	AJ2	2 296 100 A	Jun 19 1996	GB	G02B	6/42	Y
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
<i>my</i>	AO	Kravitz, S.H., et al., "A Passive Micromachined Device for Alignment of Arrays of Single-mode Fibers for Manufacturable Photonic Packaging ", Proceedings of the Lasers and Electro-Optics Society Annual Meeting (LEOS), US, New York, IEEE, Vol. Meeting 7, Oct. 31, 1994, pp. 226-227.					
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Examiner: <i>Marie Jimmy</i>				Date: <i>9/30/03</i>			

FORM PTO-1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO. 1019.us		SERIAL NO. 09/773,944		
				APPLICANT(S): Robert K. Jenner				
				FILING DATE: February 1, 2004		ART UNIT: 3726		
UNITED STATES PATENT DOCUMENTS								
EXAM. INITIAL		DOCUMENT NUMBER	DATE			CLASS	SUB CLASS	FIL. DATE IF APPR
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN Y/N	
	AG3	91 06022	May 2 1991	WO	G02B	6/36	Y	
	AH3	0 481 877 B1	Jan 5 1993	EPO	G02B	6/42	Y (abstract only)	
	AI3	2 229 856 A	Oct 3 1990	GB	G02B	6/42	Y	
	AJ3	0 286 319 A1	Oct 12 1988	EPO	G02B	6/42	Y	
	AG4	0 356 331 A2	Feb 28 1990	EPO	G02B	6/42	Y	
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	AS	Scussat, Marco, et al., "Automated Surface Mounting of Miniature Optical Elements", DMT, EPFL, 1015 Lausanne, Switzerland (1998).						
	AT	Sharpe, William N., et al., "Mechanical Properties of LIGA-Deposited Nickel for MEMS Transducers", 1997 International Conference on Solid-State Sensor and Actuators, Chicago, June 16-19, 1997, pp. 607-610.						
	AH	Würsch, Alain, et al., "An Innovative Micro Optical Element Assembly Robot Characterized by High Accuracy and Flexibility", Electronic Components Conference 2000, DMT, EPFL, 1015 Lausanne, Switzerland (2000).						
	AV	Ziegler, P., et al., "Passive Alignment and Hybrid Integration of Active and Passive Optical Components on a Microoptical LIGA-Bench", Micro Opto Electro Mechanical System – MOEMS 1999, pp. 186-189.						
Examiner: 				Date: 9/30/03				






FORM PTO-149 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO. 1019.us		SERIAL NO. 09/773,944			
				APPLICANT(S): Robert K. Jenner					
				FILING DATE: February 1, 2004		ART UNIT: 3726			
UNITED STATES PATENT DOCUMENTS									
EXAM. INITIAL		DOCUMENT NUMBER	DATE	INVENTOR	CLASS	SUB CLASS	FIL. DATE IF APPR		
				RECEIVED AUG 15 2003 TECHNOLOGY CENTER R3700					
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN Y/N		
<i>mf</i>	AH4	62 058646	Mar 14 1987	JP	H01L	21/58	Y(abstract only)		
<i>mf</i>	AI4	11 068243	Mar 9 1999	JP	H01S	3/18	Y(abstract only)		
<i>mf</i>	AJ4	0 030 617 A2	Nov 5 1980	EPO	G02B	7/26	Y(abstract only)		
<i>mf</i>	AG5	00/41021	Jul 13 2000	PCT	G02B	6/42	Y		
<i>mf</i>	AH5	99/63373	Dec 9 1999	WO	G02B	6/12	Y		
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<i>mf</i>	AW	Goldfarb, Michael, et al., "Design of a Minimum Surface-Effect Three Degree-of-Freedom Micromanipulator", Proceedings of the 1997 IEEE International Conference on Robotics and Automation, Albuquerque, New Mexico – April, 1997, pp. 1466-1471.							
<i>mf</i>	AX	Goldfarb, Michael, et al., "Eliminating Non-Smooth Nonlinearities with Compliant Manipulator Design". Proceedings of the American Control Conference, Philadelphia, PA – June, 1998, pp. 2118-2123.							
<i>mf</i>	AY	Henein, Simon, et al., "Articulated Structures with Flexible Joints Dedicated to High Precision Robotics". Departement de Microtechnique, Institut de Systemes Robotiques (DMT-ISR), Swiss Federal Institute of Technology Lausanne (EPFL), EPFL CH-1015, Lausanne, Switzerland, pp. 1-6.							
<i>mf</i>	AZ	Speich, John E., et al., "A Three Degree-of-Freedom Flexure-Based Manipulator for High Resolution Spatial Micromanipulation". Part of the SPIE Conference on Microrobotics and Micromanipulation, Boston, MA, November, 1998, SPIE Vol. 3519, pp. 82-92.							
Examiner: <i>Marc Jimenez</i>				Date: <i>9/30/03</i>					



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Optical Component Plastic Deformation Control Process						
<div>Application Number: 09/773944</div> <div>Confirmation Number: 9154</div> <div>First Named Applicant: Robert Jenner</div> <div>Attorney Docket Number: 1019us</div> <div>Art Unit: 3726</div> <div>Examiner: Marc Quemuel Jimenez</div> <div>Search string: (6559464 or 4702556 or 4778241 or 5570444 or 5600749 or 5745624 or 6053640 or 6074103 or 5870518 or 4691586 or 5351330 or 4773727 or 5255333 or 5295700 or 5212746 or 5926594 or 5388119 or 6103988 or 4237474 or 5177807 or 4833776 or 6076875 or 5562320 or 5996437 or 4214353 or 5760367 or 5217460 or 3908522 or 4796346 or 3527454 or 4967472 or 6034524 or 4822091 or 5161847 or 5910894 or 3824674 or 3651957 or 4653794 or RE35605 or 4092719 or 4691905 or 6015174 or 4720163).pn.</div> <div></div> <div>RECEIVED AUG 11 2003 TECHNOLOGY CENTER R3700</div>							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6559464	2003-05-06	Flanders, et al.		250	548
	2	4702556	1987-10-27	Ishii, et al.		350	320
	3	4778241	1988-10-18	Haltenorth		350	96.20
	4	5570444	1996-10-29	Janssen, et al.		385	90
	5	5600749	1997-02-04	Lee, et al.		385	70
	6	5745624	1998-04-28	Chan, et al.		385	91
	7	6053640	2000-04-25	Miyokawa, et al.		385	88
	8	6074103	2000-06-13	Hargreaves, et al.		385	90
	9	5870518	1999-02-09	Haake, et al.		385	90
	10	4691586	1987-09-08	Van Leijenhorst, et al.		74	479

APP_ID=09773944

Page 1 of 3

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	12	4773727	1988-09-27	LePivert Herve, et al.	350	96.20
	13	5255333	1993-10-19	Althaus, et al.	385	33
	14	5295700	1994-03-22	Crews, et al.	279	5
	15	5212746	1993-05-18	Miller, et al.	385	25
	16	5926594	1999-07-20	Song, et al.	385	49
	17	5388119	1995-02-07	Cronin, et al.	372	69
	18	6103988	2000-08-15	Kim	219	121.63
	19	4237474	1980-12-02	Ladany	385	49
	20	5177807	1993-01-05	Avelange, et al.	385	91
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	22	6076875	2000-06-20	Neff, et al.	294	119.1
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	32	6034524	2000-03-07	Barringer, et al.	324	158.1
	33	4822091	1989-04-18	Vermeer, et al.	29	740
	34	5161847	1992-11-10	Yakou	294	119.1
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	39	RE35605	1997-09-16	Nomaru, et al.	294	119.1
	40	4092719	1978-05-30	Salmon	29	711
	41	4691905	1987-09-08	Tamura, et al.	269	45
↓	42	6015174	2000-01-18	Raes, et al.	294	2
mg	43	4720163	1988-01-19	Goodwin, et al.	350	96.20

Signature

Mac Jiney

9/30/03

Examiner Name	Date